
CONSTRUCTION OF A MEDICAL ELECTRICAL LEAD

ABSTRACT

An implantable cardiac stimulation lead system for use with an implantable stimulation device includes at least a pair of conductors, braided together and extending between proximal and distal ends and co-extruded with flexible resilient insulation material. Each conductor may be a multi-strand cable composed of MP35N or DFT and have its outer peripheral surfaces coated with insulative material. An electrical connector is coupled to the proximal end of the lead system for connection with a stimulation device and includes terminals electrically connected to the conductors. The proximal connector is thereby electrically coupled to a distal tip electrode and to at least one electrode proximally spaced from the distal tip electrode. The lead system may include an elongated tubular lead body of flexible resilient insulative material having a longitudinally extending lumen for receiving a stylet for aid in implanting the lead system. Alternatively, an introducer sheath may be employed for implantation.